

## ABSTRACT OF THE INVENTION

An electronically modulated prism, having a bulk crystal, a plurality of electrode pads formed on a top surface of the bulk crystal, and a common electrode formed on a bottom surface of the bulk crystal. The bulk crystal is optically isotropic with zero electric field applied thereto and optically anisotropic when subjected to a non-zero electric field. More specifically, the bulk crystal between each of the electrode pads and the common electrode has an index of refraction altered proportionally to the electric field applied thereto, such that an incident beam propagate through the crystal is modulated with an accumulated phase shift.

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